

## CLAIM OR CLAIMS

### WHAT IS CLAIMED IS:

1. An apparatus for image alias rejection of a high resolution rasterized  
5 waveform comprising:

means for generating a shaped dither signal;

means for summing the shaped dither signal with a dimensional  
component value of each data point for the high resolution rasterized  
waveform to produce filtered data point values; and

10 means for subsampling the filtered data point values to produce a  
desired lower resolution rasterized waveform for display.

2. The apparatus as recited in claim 1 wherein the generating means  
comprises:

15 a plurality of linear feedback shift registers, each producing a random  
number output; and

means for summing the random number outputs to produce the shaped  
dither signal.

20 3. The apparatus as recited in claim 1 wherein the generating means  
comprises a look-up table containing data corresponding to the shaped dither  
signal.

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4. A method of image alias rejection for a high resolution rasterized waveform comprising the steps of:

generating a shaped dither signal;

5 summing the shaped dither signal with a dimensional component value of each data point for the high resolution rasterized waveform to produce filtered data point values; and

subsampling the filtered data point values to produce a desired lower resolution rasterized waveform for display.